



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/034,116	01/03/2002	Hsin-Mao Hsieh	33144-177550	8470

26694 7590 08/21/2002

VENABLE, BAETJER, HOWARD AND CIVILETTI, LLP
P.O. BOX 34385
WASHINGTON, DC 20043-9998

EXAMINER

PHAM, LEDA T

ART UNIT	PAPER NUMBER
----------	--------------

2834

DATE MAILED: 08/21/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/034,116

Applicant(s)

HSIEH, HSIN-MAO

Examiner

Leda T. Pham

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 July 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. This office action is in response to Amendment filed on 7/3/02.
2. Claims 1 – 3 are presented for examination.
3. Since claim 2 is cancelled, now claim 3 present at claim 2.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 3 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Sun U.S. Patent No. 6,034,461. Sun teaches in figure 4 a stator of an alternating current motor, it comprises a yoke (30) having an outer annular member (313) and an inner annular member (312) integrally formed therewith, two winding slots (310) symmetrically defined at two opposite lateral sides between the outer and inner annular members (313, 312), and two cut-outs (317) symmetrically defined at two opposite sides of the outer annular member (313) and respectively communicating with middle positions of the winding slots (310);

Upper and lower insulators (216a, 216c, 216b, 216d) respectively, assembled on upper and lower ends of the yoke (30), and respectively having two outer rings and two inner rings integrated therewith corresponding to the outer and inner annular members (313, 312), two pairs of slots respectively defined at opposite sides thereof corresponding to the winding slot (310) of

the yoke (30), and two pairs of openings respectively defined at opposite sides of the outer rings corresponding to the cut-outs (317);

In figure 4, the first bulged outer edges are formed around outer sides of upper ends of the outer rings of the upper insulator (216), and first bulged inner edges are formed around inner sides of upper ends of inner rings of the upper insulator (216); wherein second bulged outer edges are formed around outer sides of lower ends of the outer rings of the lower insulator (216), second bulged inner edges are formed around inner sides of lower ends of inner rings of the lower insulator (216), and the lower ends of the slots and upper ends of the slots are respectively formed with bulged joint edges around, whereby the upper and lower insulators (216a, 216b, 216c, 216d) are respectively assembled on the yoke (30) by means of the joint edges respectively inserted into the corresponding winding slot (310) of the yoke (30);

Whereby after the upper and lower insulators (216a, 216c, 216b, 216d) are respectively assembled on upper and lower ends of the yoke (30), wires of stator coils are respectively wound around the upper and lower insulators (216a, 216c, 216b, 216d) and bind the upper and lower insulators (216a, 216c, 216b, 216d) together with the yoke (30).

Referring to claim 2, Sun discloses the two joint keys (41a, 41b) are respectively fixed into the two cut-outs (317) of the yoke (30).

Response to Arguments

3. Applicant's arguments filed 7/3/02 have been fully considered but they are not persuasive.
4. Applicants argue that "the stator base 30 of Sun consists of two parts, a first lamination 31 and a second lamination 32, which do not have an integrally formed outer annular member

and an inner annular member.” The Examiner disagrees with this statement, because at column 5, lines 1 to 2, Sun teaches the stator has two parts, a first lamination 31 and a second lamination 32, but they are thus combined more stably without being loosened. Even though the stator has two parts, but it has an integrally formed outer annular member and an inner annular member. “integrally formed” means that formed as a unit with another part, for example, a seat has a headrest also called a seat with integral headrest. For the above reasons, it is believed that the rejections should be sustained.

5. Applicants argue that “Sun has two upper insulating plates 216a and 216c ... (i.e., having a single insulating plate with integrally formed outer rings and inner rings).” The Examiner disagrees with this statement, because the claimed language does not say that there is only one upper insulating plate and one lower insulating plate. Besides it in figure 4, Sun teaches clearly the upper and lower insulators each having two outer rings and two inner rings integrated therewith corresponding to the outer and inner annular member of the yoke. For the above reasons, it is believed that the rejections should be sustained.

6. Applicants argue that “Sun fail to teach, either expressed or inherently, the assembly of the stator where wires of stator coils are respectively wound around the upper and lower insulators and bind the upper and lower insulators together with the yoke.” The Examiner disagrees with this statement, because Sun’s figure 9 teach clearly the assembly of the stator where wires of stator coils are respectively wound around the upper and lower insulators and bind the upper and lower insulators together with the yoke. The two laminations are respectively wound by a coil after assembled to form the stator base. For the above reasons, it is believed that the rejections should be sustained.

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leda T. Pham whose telephone number is (703) 305-4864. The examiner can normally be reached on M-F (7:30-5:00) first Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on (703) 308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-9176 for regular communications and (703) 305-1341 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3431.

Leda T. Pham
Examiner
Art Unit 2834


NESTOR RAMIREZ
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800